

### Abstract

It is intended to provide a cell activator which has a high biocompatibility and activates cells of mammals including humans without showing any species-specificity, a process for producing the cell activator and an apparatus therefor. A cell activator having no species-specificity which is produced by a process comprising: the step of feeding a catalyst-free L-lactic acid solution into a container; the step of, under directly spraying an inert gas to the L-lactic acid solution, heating the solution stepwise to a temperature exceeding the boiling point of L-lactic acid to dehydrate and polymerize L-lactic acid, thereby giving cyclic polylactic acid; and the step of discharging the thus obtained cyclic polylactic acid from the container. Using this cell activator, cells of mammals including humans are activated and malignant tumors are killed so as to grow humans and mammals, in particular, industrial animals and promote the health thereof.

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